	Application No.	Applicant(s)	
,	10/715,088	PIEHLER, EBERHARD	
Notice of Allowability	Examiner	Art Unit	. ,/
	Alicia M Harrington	2873	AT PT
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communicatio GHTS. This application is subject to	pplication. If not includ n will be mailed in due	ed course. THIS
1. $igotimes$ This communication is responsive to <u>application filed on 11</u>	<u>//17/03</u> .		
2. ⊠ The allowed claim(s) is/are <u>1-14</u> .			
3. $igotimes$ The drawings filed on <u>17 November 2003</u> are accepted by	the Examiner.		
4. Acknowledgment is made of a claim for foreign priority una All b) Some* C None Some* Some*	been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declar at be submitted. con's Patent Drawing Review (PTO as Amendment / Comment or in the constant of BIOLOGICAL MATERIAL	r national stage application of the following in the front (not the (d).	quirements NOTICE OF
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 1103 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. Notice of Informal I 6. Interview Summary Paper No./Mail Da 8), 7. Examiner's Amend 8. Examiner's Statem 9. Other Georg	y (PTO-413), ate <u>1104</u> . Iment/Comment Thent of Reasons for Allo	·
U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04) No	stice of Allowability Technology	u Center 2800	No./Mail Date 1104

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

- 2. Authorization for this examiner's amendment was given in a telephone interview with Gerald H. Kiel on 11/10/04.
- 3. The application has been amended as follows:

In the claims:

1. (Currently amended) An arrangement for the visualization of information in a motor vehicle, comprising:

an optical device for projecting at least one display <u>image</u> for forming a virtual image in front of or in an area of a windshield of the vehicle, wherein microchips such as DMDS or LCOs are provided as image-generating elements, and wherein an intermediate imaging is realized for the purpose of illuminating the pupil plane; and

a diffusion screen which enlarges the radiating angle being arranged in the intermediate image plane and/or an apparatus for splitting the light flow into partial light flows being located between the optical device and the pupil plane, wherein a partial light flow is associated with the left eye and a partial light flow is associated with the right eye.

12. (Currently amended) The arrangement for the visualization of information in a motor vehicle according to claim 11, wherein the elements for directional orientation of the partial light flows have a focusing or dispersing effect.

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In the specification:

Insert between sections 9 and 10 the following heading:

Summary of Invention

In the abstract:

[0033] The invention is directed to an arrangement for the visualization of information in a motor vehicle, comprising wherein an optical device for projecting at least one display image for forming a virtual image in front of or in an area of a windshield of the vehicle, wherein microchips such as DMDS or LCOs are used as image-generating elements. According to the invention, an apparatus for splitting the light flow into partial light flows is provided for the purpose of illuminating the pupil plane.

4. The following is an examiner's statement of reasons for allowance: Regarding claim 1, prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitations of the dependent claims, in such manner that a rejection under 35 U.S.C 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in independent claims, which include an arrangement for the visualization of information in a motor vehicle comprises a diffusion screen which enlarges the radiating angle being arranged in the intermediate image plane and /or an apparatus for splitting the light flow into partial light flows as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Welch (US 5,694,230) discloses diffractive optical element as combiners;

Furuya(US 2002/0021500) discloses a display unit for vehicles; and

Koenig et al (US 6,456,260) discloses an indicating device for vehicles.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M Harrington whose telephone number is 571 272 2330. The examiner can normally be reached on Monday - Thursday 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Epps can be reached on 571 272 2328. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alicia M Harrington Examiner

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